DOCKET NO.: UPN-4377/P3152



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

David C. Myles, et al.

Confirmation No.: Not Yet Assigned Group Art Unit: Not Yet Assigned

Application No.: 10/817,532

Filing Date: April 2, 2004

Examiner: Not Yet Assigned

SYNTHETIC TECHNIQUES AND INTERMEDIATES FOR POLYHYDROXY

DIENYL LACTONES AND MIMICS THEREOF

DATE OF DEPOSIT: June 7, 2004

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA,

TYPED NAME: Elizabeth A. McLoud

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is 冈 being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of DOCKET NO.: UPN-4377/P3152 - 2 - PATENT

	the above identified a	application as set forth in § 1.491, before the mailing date				
	of a first Office Act	ion on the merits of the above-identified application, or				
	before the mailing d	ate of a first Office Action after the filing of request for				
	continued examination	on under § 1.114, no additional fee is required.				
	In accordance with §	1.129(a), this Information Disclosure Statement is being				
	filed in connection	with the first or second After Final Submission,				
	therefore:					
	☐ Certif	ication in Accordance with § 1.97(e) is attached; or				
	The fe	ee of \$180.00 as set forth in § 1.17(p) is attached.				
	In accordance with	§ 1.97(c), this Information Disclosure Statement is being				
	filed after the period set forth in § 1.97(b) above but before the mailing date either a Final Action under § 1.113 or a Notice of Allowance under § 1.31					
	before an action that otherwise closes prosecution in the application, the					
		Certification in Accordance with § 1.97(e) is attached;				
		or				
		The fee of \$180.00 as set forth in § 1.17(p) is attached.				
	In accordance with	§ 1.97(d), this Information Disclosure Statement is being				
filed after the mailing date of either a Final Action under § 1.113 or						
	of Allowance under	of Allowance under § 1.311 but before, or simultaneously with, the payment				
	of the Issue Fee, therefore included are: Certification in Accordance with §					
	1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).					
	Copies of each of t	he references listed on the attached Form PTO-1449 are				
	enclosed herewith.					

Copies of references listed on the attached Form PTO-1449 are enclosed 冈 herewith Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i). **EXCEPT THAT:** In view of the voluminous nature of reference number 1, and the 冈 likelihood that this reference is available to the Examiner, a copy is not enclosed herewith. In accordance with § 1.98(d), copies of the following references listed \boxtimes on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C.§ 120 have been made in the instant application: Copies of references [list as appropriate] listed on the П attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. , filed

- 3 -

DOCKET NO.: UPN-4377/P3152

PATENT

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

DOCKET NO.: UPN-4377/P3152 - 4 - PATENT

The relevance of those listed references which are not in the English language is as
follows:

There are no listed references which are not in the English language.

Date: June 7, 7

Walter C. Frank Registration No. 52,911

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Philadelphia, PA 19103 Telephone: (215) 568-3100 Facsimile: (215) 568-3439

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Form PTO	-1449 Modified	Docket No. UPN-4377/P3152	Application No. 10/817,532				
Cited 1	nt and Publications by Applicant sheets if necessary)	Applicant David C. Myles, et al.					
_	nent of Commerce Trademark Office	Filing Date April 2, 2004	Group Not Yet Assigned				
		Confirmation No. Not Yet Assigned					
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* 1	NY, 1999	Greene, et al., Protective Groups in Organic Synthesis, 3rd Ed., John Wiley & Sons,					
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3	Hung, D.T., et al., "(+)-discodermolide binds to microtubules in stoichiometric ratio to tubulin dimmers, blocks taxol binding and results in mitotic arrest," <i>Chem. & Biol.</i> , 1996 , 3, 287-293						
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5	Longley, R.E., et al., "Discodermolide—a new, marine-derived immunosuppressive compound," <i>Transplantation</i> , 1991, 52(4), 650-656						
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7	Longley, R.E., et al., "Immunosuppression by discodermolide," Ann. N.Y. Acad. Sci., 1993, 696, 94-107						
8	Martello, L.A., et al. "The relationship between taxol and (+)-discodermolide: synthetic analys and modeling studies," Chem. & Biol., 2001, 8, 843-855						
9	Nerenberg, J.B., et al., "Total synthesis of the immunosuppressive agent," J. Am. Chem. Soc., 1993, 115, 12621-12622						
10	Smith, A.B., et al., "A practical improvement, enhancing the large-scale synthesis of (+)-discodermolide: a third-generation approach," <i>Org. Lett.</i> , 2003 , <i>5(23)</i> , 4405-4408						
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EXAMINER			ONSIDERED				

^{*} A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.





Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. UPN-4377/P3152	Application No. 10/817,532		
				Applicant David C. Myles, et al.			
				Filing Date April 2, 2004	Group Not Yet Assigned		
				Confirmation No. Not Yet Assigned			
		U. \$	S. PATENT	DOCUMENTS			
Examiner Initial		Document No.	Date	Name		Class	Subclass
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	13	6,031,133	02/29/00	Smith, III, et al.		564	170
	14	6,096,904	08/01/00	Smith, III, et al.		549	292
	15	6,242,616 B1	06/05/01	Smith, III, et al.		549	292
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		FORE	IGN PATI	ENT DOCUMENTS	3		
Examiner Initial		Document No.	Date	Country		YES Tra	nslation NO
	17	WO 03/013502 A1	02/20/03	PCT			
EXAMINER				DATE CONSIDE	RED		